

# RHIC Operation Status

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( 2012 June 5, Timing Meeting )

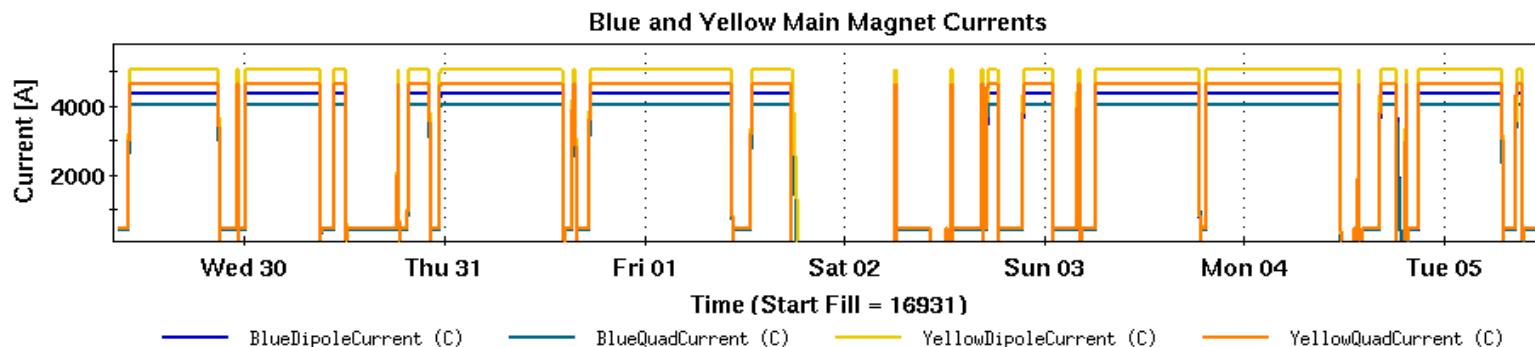
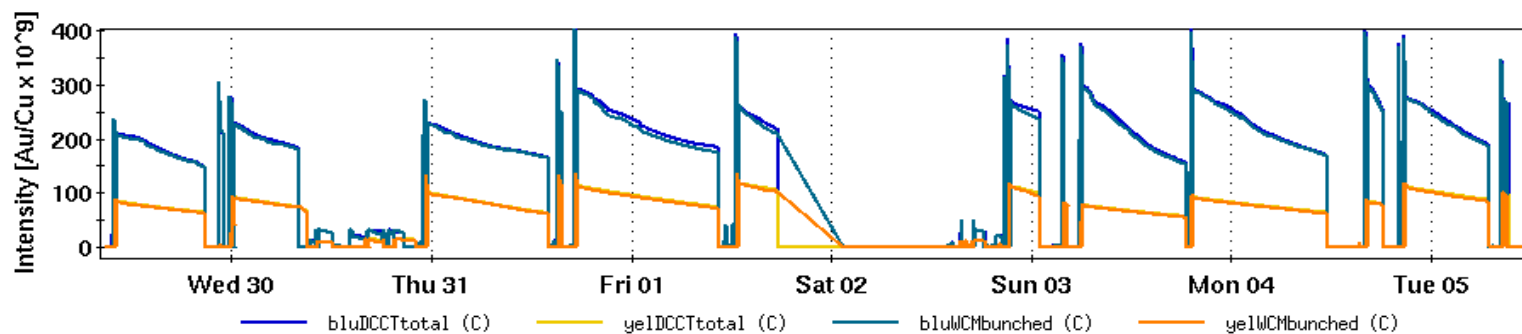
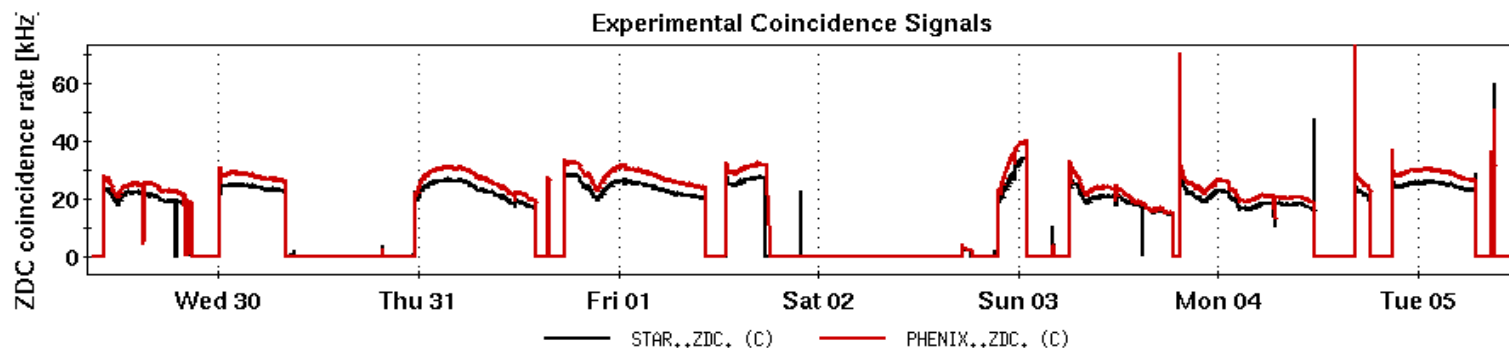
# Operation Updates

RHIC continues Physics running. 16 hours APEX on Wednesday. Improved bunch intensities by about 30% after EBIS gas change and ATR orbit tunings. Unfortunately we had a power dip on Friday which affected many systems. Beam got back one day later. Currently the machine performance haven't fully recovered yet.

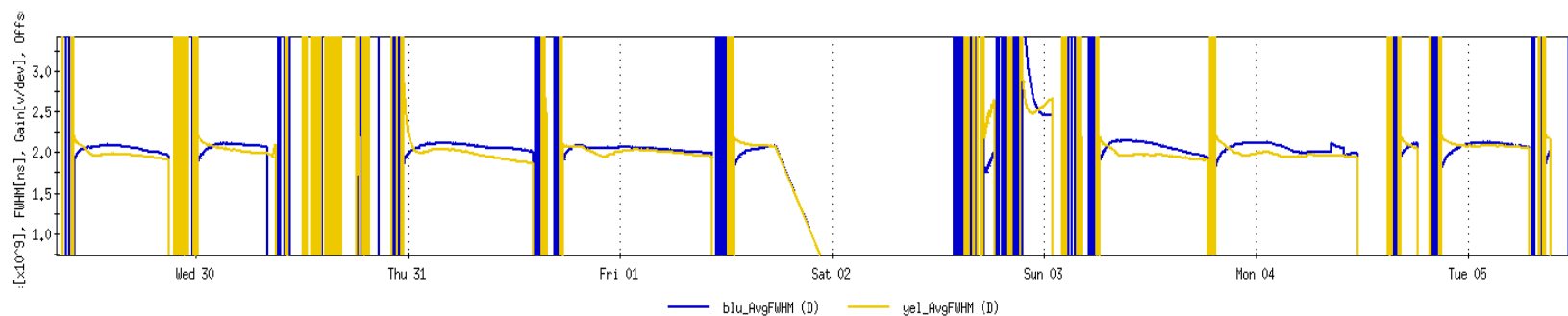
## Major Machine Failures:

- Storage RF cavity tripping-off on Saturday evening
- A/C working not properly in building 1012A  
which affected Stochastic cooling performance
- Last three stores were aborted earlier due to  
Yellow abort kick pre-firing, a PS node card failure.

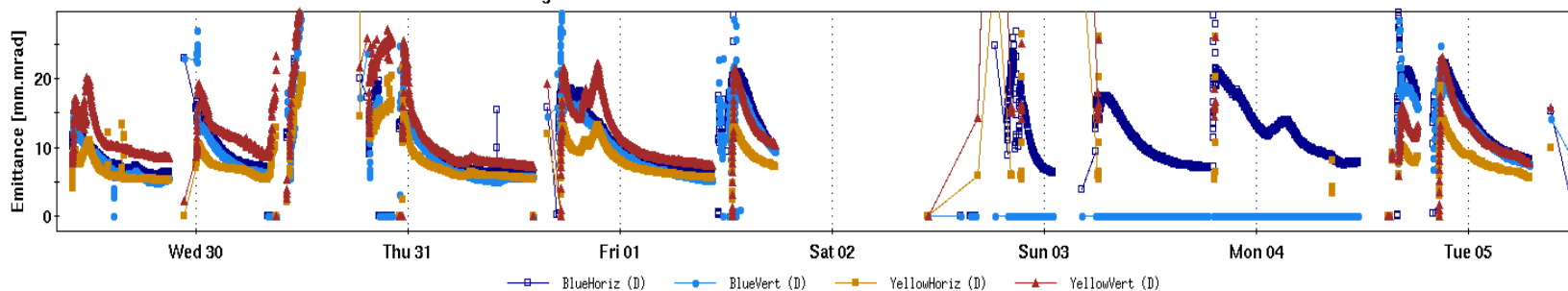
# Beam Intensities & Experiment Rates



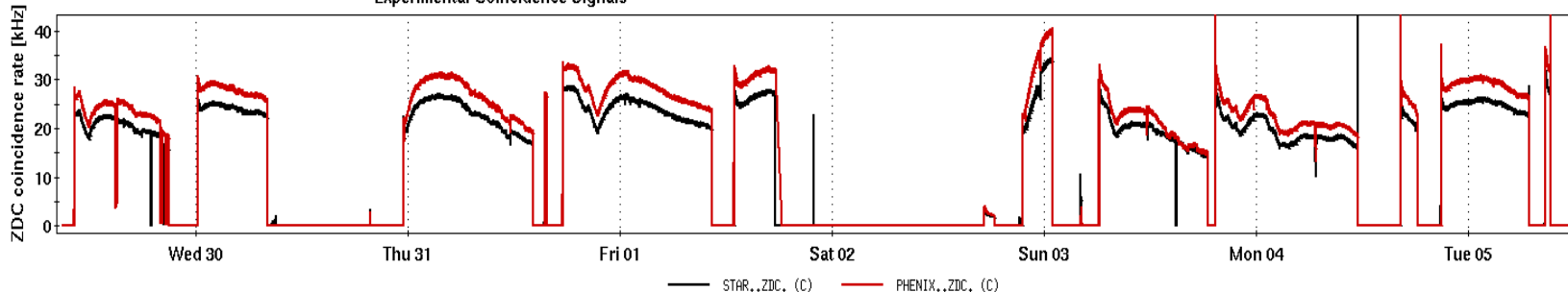
# Bunch Length & Transverse Emittances



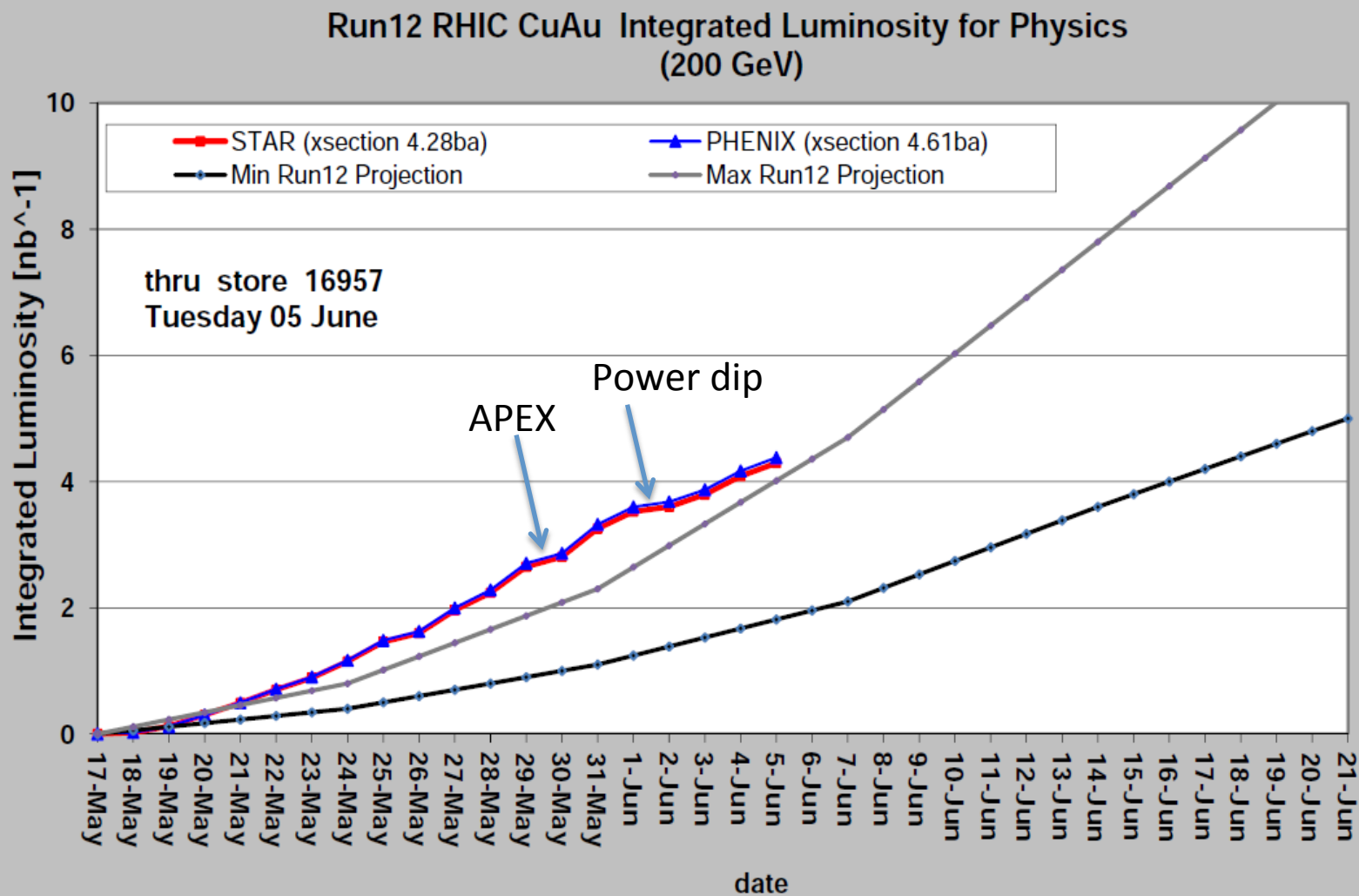
Blue and Yellow Main Magnet Currents



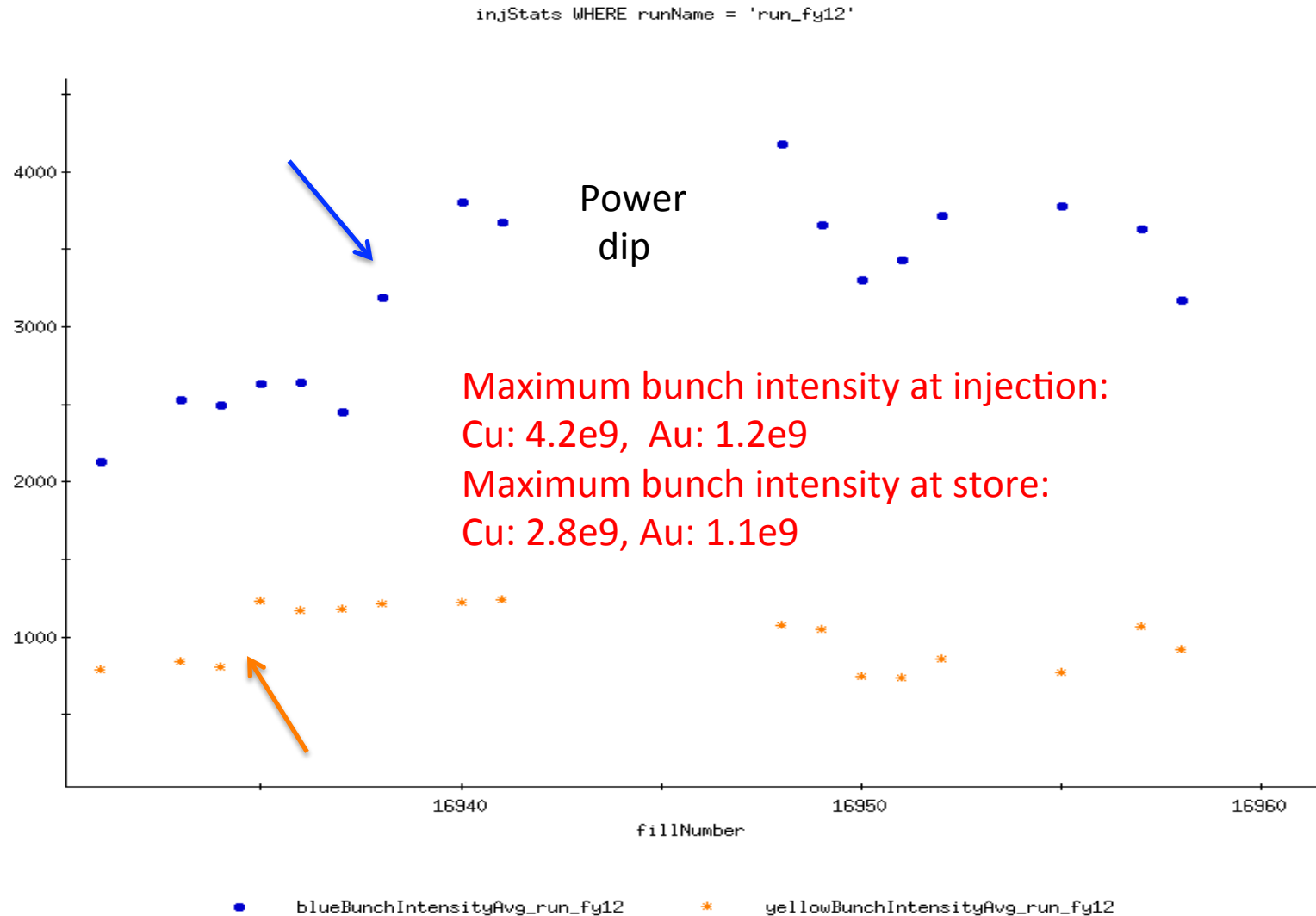
Experimental Coincidence Signals



# Integrated Luminosity ( C-AD )

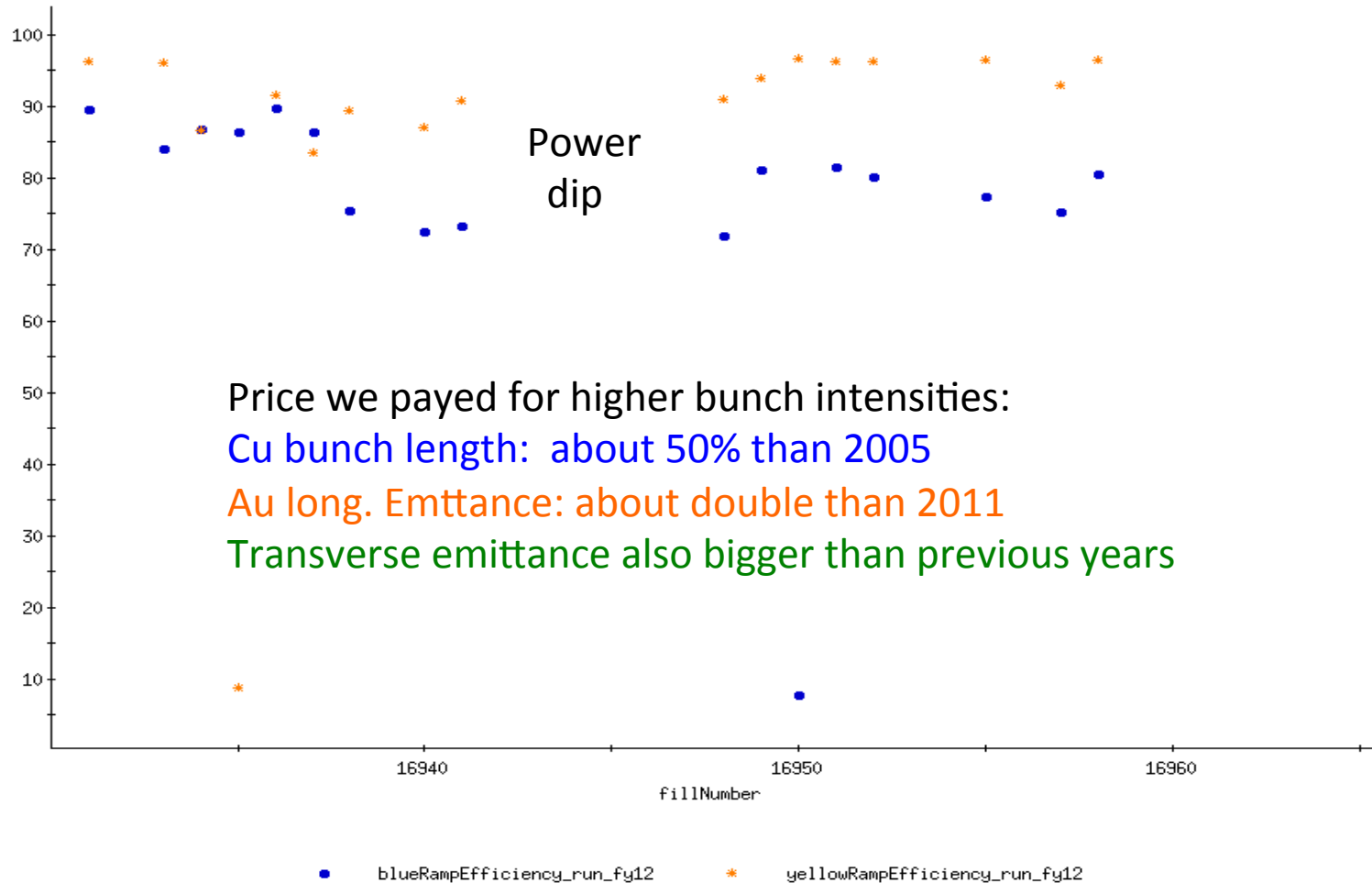


# Pushing Bunch Intensity



# Ramp Efficiency

rampStats WHERE runName = 'run\_fy12'



# Plan of the Week

- Stable back-to-back Physics running
- Pushing RHIC bunch intensities  
pay attention to them at injection
- Increase Blue Ramp Efficiency  
improve beam emittance blow-up at injection  
improve blue ramp efficiency